

CHEFRANOV, S. V.

USSR

Donbas

Concerning: Salt and Mercury Deposits Manganese Oil

Source: M: Fizicheskaya Geografiya SSSR, Moscow, 1947

Abstracted in USAF "Treasure Island" Report No. 525 on file in Library
Of Congress, Air Information Division.

CHEFRANOV, S. V.

USSR

Gorkiy

Paper mill

Source: M: *Fisicheskaya Geografiya SSSR* Moscow 1947
Abstracted in USAF "Treasure Island" Report No. 526 on file in
Library of Congress, Air Information Division.

CHEFRANOV, S. V.

USSR

Lipetsk

Metallurgical plants.

Source: M: Fizicheskaya Geografiya SSSR Moscow 1947
Abstracted in USAF "Treasure Island" Report No. 527 on file in Library
of Congress, Air Information Division.

CHEFRANOV, S. V.

USSR

Ivanova

Textile, non-ferrous and glass industry.

Source: *Fizicheskaya Geografiya SSSR* Moscow 1947

Abstracted in USAF "Treasure Island" Report No. 530 on file in Library of Congress, Air Information Division.

CHEFRANOV, S. V.

USSR

Tula

Metallurgical plants

Source: M: Fizicheskaia Geografia SSSR Moscow 1947

Abstracted in USAE "Treasure Island" Report No 53 on file in
Library of Congress, Air Information Division.

CHEFRANOV, S. V.

USSR

Rostov

Agricultural machinery plant

Source: M: Pis'cheskaia Geografia SSR Moscow 1947
Abstracted in USAF "Treasure Island" Report No. 534 on file in
Library of Congress, Air Information Division.

CHEFRANOV, S. V.

USSR

Stalingorsk, Voskresensk

Concerning Chemical Combines

Source: Fizicheskaya Geografiya - SSSR Moscow, 1947
Abstracted in USAF "Treasure Island" Report No. 532 on file in Library
of Congress, Air Information Division.

CHEFRANOS, S. V.

USSR

Kubyshev, Stalingrad

Concerning: Oil, Iron Ore, Oil Shale, Phosphorite, Salt Deposits.

Source: M: Fizicheskaya Geografiya SSSR, Moscow, 1947

Abstracted in USAF "Treasure Island" Report No. 535 on file in Library of Congress, Air Information Division.

CHEFRANOV, S. V.

USSR

Fergana Turkestan

oil, non-ferrous metals, coal, lead, copper

Source: M: Fisicheskaya Geografiya SSSr Moscow 1947
Abstracted in USAF "Treasure Island Report No. 690 on file in Library
of Congress, Air Information Division.

CHEFRANOV, S. V.

USSR

Novosibirsk, stalinak, oask; agricultural machinery plants and mining equipment;
rail transportation equipment

Source: M: Fizicheskaya Geografiya SSSR Moscow 1947
Abstracted in USAF "Treasure Island" Report No 700 on file in
Library of Congress, Air Information Division.

CHEFRANOV, S. V.

USSR

Population in Kiev

Source: M: Fizicheskaya Geografiya - SSSR, Moscow 1948
Abstracted in USAF "Treasure Island" Report No. 878 on file in
Library of Congress, Air Information Division.

CHEFRANOV, S. V.

USSR

Population in Kamchatka.

Source: M: Fizicheskaya Geografiya SSSR Moscow 1947
Abstracted in USAF "Treasure Island" Report No. 883 on file in
Library of Congress, air Information Division.

CHEPRANOV, S. V.

USSR

Concerning: Railroad-car, locomotive, cement, glass factories at Bryansk

Source: M: Moscow, 1947, Fizicheskaya Geografiya SSSR
Abstracted in USAF "Treasure Island" Report No. 952 on file in Library of
Congress, Air Information Division.

CHEFRANOV, SERGEI VASIL'EVICH

Chefranov, Sergei Vasil'evich. Khrestomatia po fizicheskoi geografii; posobie
dlia uchitelei nepolnoi srednei i srednei shkoly. Sostavili S.V. Chefranov, E.F.
IUzefovich, V.A. Raush. Izd. 3. Moskva, Uchpedgiz, 1948. 383 p.
CLU NNC DLC: GB436.053 1948

SO: LC, Soviet Geography, Part I, 1951, uncl.

CHEFRANOV, Sergey Vasil'yevich.

[Geography of the U.S.S.R.; textbook for class 7 of the seven-year and secondary schools] Geografiia SSSR; uchebnik dlia 7 klassa semiletnei i srednei shkoly. Izd. 9. Moskva, Gos. uchebno-pedagog. izd-vo, 1950. 198 p. (MLRA 7:11)

(Physical geography)

CHEFRANOV, Sergey Vasil'yevich.

[Geography of the U.S.S.R.] Geografiia SSSR. Izd. 11. Moskva, Gos. uchebno-
pedagog. izd-vo, 1952. 198 p.
(MLBA 6:8)
(Physical geography)

CHEFRANOV, Sergey Vasil'yevich.

[Geography of the USSR; textbook for the 7th grade of seven-year and secondary schools] Geografiia SSSR; uchebnik dlia 7 klassa semiletnei i srednei shkoly. Izd. 12. Moskva, Gos. uchebno-pedagog. izd-vo, 1953. 198 p. (MLRA 6:10)
(Geography)

CHEFRANOV. SERGEI VASILEVICH

Geografia ZSRR. Warszawa, Panstwowe Zaklady Wydawn. Szkolnych, 1953
259 (1) p. (Geography of the USSR. Tr. from the Russian. illus, 4 fold
maps (in pocket))

M4D

Not in DLC

SO: Monthly Index of East European Acessions (AEEI) Vol. 6, No. 11, November 1957.

CHEFRANOV, S. V.

CHEFRANOV, S.V., sostavitel'; YUZNEVOVICH, Ye.F., sostavitel'; RAUSH, V.A., sostavitel'; SMIRNOVA, N.P., redaktor; SAKHAROVA, N.V., tekhnicheskiiy redaktor.

[Selective readings on physical geography; manual for teachers in secondary schools] Khrestomatia po fizicheskoi geografii; posebie dlia uchitelei srednei shkoly. Sostavili: S.V. Chefranov, E.F. Iuznefovich, V.A. Raush. Izd. 4., perer. Moskva, Gos. uchebno-pedagog. izd-vo, 1954. 342 p. (MLRA 7:7)

(Physical geography)

CHEFRANOV, Sergey Vasil'yevich; KOZLOV, M.V., redaktor; PETROVA, M.D.,
tekhnicheskii redaktor

[Geography of the U.S.S.R.: Textbook for class 7 of the seven-
year and secondary schools] Geografiia SSSR; uchebnik dlia 7
klassa semiletnei i srednei shkoly. Izd. 14-oe. Moskva, Gos.
uchebno-pedagog. izd-vo Ministerstva prosveshcheniia RSFSR, 1955.
197 p. (MIRA 8:7)
(Geography)

CHEFRANOV, S.V. YUZEFOVICH, Ye.P.; RAUSH, V.A.; SMIRNOVA, N.P., red.;
SAKHAROVA, N.V., tekhn.red.

[Readings in physical geography; a manual for teachers] Khrestomatia
po fizicheskoi geografii; posobie dlia uchitelei. Izd. 5-oe. Moskva,
Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1957. 398 p.
(Physical geography) (MIRA 11:5)

CHEFRANOV, S.V.; KOZLOV, M.V., red.; TYUTYUNNIK, S.G., red. kart;
SAKHAROVA, N.V., tekhn. red.

[Geography of the U.S.S.R.; textbook for the seventh grade
of the seven-year and secondary schools] Geografiia SSSR;
uchebnik dlia 7 klassa semiletnei i srednei shkoly. Izd.13.
Utverzhden Ministerstvom prosveshchenia RSFSR, Moskva, Uch-
pedgiz, 1954. 197 p. (MIRA 16:7)

(Geography)

CHEFRANOV, V.S.

Surgical treatment of tuberculomas of the lungs. Probl.tub.
no.4:47-52 '61. (MIRA 14:12)

1. Iz pervogo legochno-khirurgicheskogo otdeleniya (zav. - prof.
P.P. Shastin) Moskovskogo nauchno-issledovatel'skogo instituta
tuberkuleza Ministerstva zdavookhraneniya RSFSR (dir. - kand.
med.nauk V.F. Chernyshev, sam. dir. po nauchnoy chasti - prof.
D.D. Aseyev).

(LUNGS--SURGERY) (TUBERCULOSIS)

CHEFRANOV, V.S.; KLEBANOVA, A.A.

Clinical and bacteriological parallels in patients following surgery for pulmonary tuberculosis. Probl. tub. 42 no.1:44-48. '64. (MIRA 17:8)

1. Moskovskiy nauchno-issledovatel'skiy institut tuberkuleza (dir. - kand. med. nauk T.P. Mochalova, zamestitel' direktora po nauchnoy chasti - prof. D.I. Aseyev) Ministerstva zdравo-okhraneniya RSFSR.

IVANCHENKO, G. Ye.; CHEFRANOV, V.V.; POLOVNEV, G.P.; SULIMOV, K.G.

Industrial and stand testing of an experimental model of a
disk-type actuating mechanism. Nauch. trudy KNIUI no.13:4-9 '64
(MIRA 18:1)

ZIL'BERT, I.S.; SKLYARENKO, A.N.; CHEFRANOV, V.V.

Ways of mechanizing stoping in mines No.101, 106, and 107 of
the "Karagandaugol'" Combine. Nauch. trudy KNIUI no.13:9-17
'64 (MIRA 18:1)

~~I~~ 56665-65 EWT(m)/EPF(c)/EMP(j) Pc-4/Pr-4 RM
 ACCESSION NR: AP5017831 UR/0286/65/000/011/G075/0076
 678.632.002.2

AUTHOR: Utyanskiy, Z. S.; Chefranova, E. K.

TITLE: A method for producing phenol-aldehyde thermosetting resins. Class 39,
 No. 171550

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 11, 1965, 75-76

TOPIC TAGS: plastic, thermoreactive phenolic resin, thermosetting plastic, phenol-aldehyde resin

ABSTRACT: This Author's Certificate introduces: 1. A method for producing phenol-aldehyde thermosetting resins combined with polar and non-polar rubbers. The method consists of condensing dimethylvinylethynylphenol with an aldehyde in the presence of alkaline catalysts. The chemical stability of the resins is improved by using butyraldehyde. 2. A modification of this method in which the product is subjected to additional condensation with formaldehyde.

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy institut plasticheskikh

Card 1/2

L 56665-65

ACCESSION NR: AP5017831

Mass (State Scientific Research Institute of Plastics)

SUBMITTED: 20Mar64

ENCL: 00

SUB CODE: MT

NO REF SOV: 000

OTHER: 000

Card

2/2

CHEFRANOVA, L.I., starshiy nauchnyy sotrudnik

Symposium on the noninfectious diseases of fruit crops. Zashch.
rast. ot vred. i bol. 9 no.6:56-57 '64 (MIRA 17:7)

1. Moskovskaya ordena Lenina sel'skokhozyaystvennaya akademiya
imeni I.Miryazova.

SHAPOSHNIKOV, L.K.; CHEFRANOVA, N.A.

Publicizing the protection of nature in our press. Okhr.prirod.1
zapov.delo v SSSR no.4:126-128 '60. (MIRA 13:6)

1. Komissiya po okhrane prirody AN SSSR.
(Natural resources)

CHEFRANOVA, N.A.

Conservation of nature under Peter the Great. Okhr. prir. i zapov.
delo v SSSR no. 6:111-117 '60. (MIRA 14:5)
(Forest protection) (Natural resources)

SHERENTSI, A.A., kand.tekhn.nauk; BRUSILOVSKIY, A.I., kand.tekhn.nauk;
CHEFRANOVA, O.S., inzh.; BORODINA, I.S., red.izd-vs; TEMKINA, Ye.L.,
tekhn.red.

[Designs of multistoried apartment houses] Konstruktivnye skhemy
mnogostazhnykh zhilykh domov. Moskva, Gos.izd-vo lit-ry po stroit.,
arkhit. i stroit.materiam, 1959. 117 p. (MIRA 13:7)
(Apartment houses)

CHEPRANOVA, Z.V.
~~XXXXXXXXXXXXXXXXXXXX~~

New species of the genus *Thermopsis* Bot.mnt.Gerb. 16:207-220 '54
(*Thermopsis*) (MLRA 8:9)

CHEFRANOVA, Z.V.

Materials on a monograph on the genus *Thermopsis* R. Br. [with
summary in English]. Trudy Bot. inst. Ser. 1 no.12:7-83 '58.
(MIRA 11:7)

(Bush pea)

VASIN, Yu.G., inzh.; CHEGEMEV, I.P., inzh.

Assembly of reaction units at a synthetic rubber plant. Mont. i
spets. rab. v stroi. 25 no. 5:4-5 My '63. (MIRA 16:7)

1. Trest Neftekhimmontazh i Kuybyshevskiy filial Gosudarstvennogo
instituta po vnedreniyu peredovykh metodov raboty i truda v
stroitel'stve.

(Kuybyshev—Rubber industry—Equipment and supplies)

CHENGIS, I.A.; YABLONSKIY, S.V.

Logical means for monitoring the performance of electric circuits.
Trudy Mat.inst. 51:270-360 '58. (MIRA 11:11)
(Electric circuits) (Logic, Symbolic and mathematical)

CHEG-15, 1. A.

16(1) p. 6. PHASE I BOOK EXPLOITATION

SOV/1708

Akademiya nauk SSSR. Matematicheskiy institut

Sbornik statey po matematicheskoy logike i yeye prilozheniyam k nekotorym voprosam kibernetiki (Collection of Articles on Mathematical Logic and Its Applications to Certain Problems of Cybernetics) Moscow, Izd-vo AN SSSR, 1958. 362 p. (Series: Its: Trudy, t. 51) 3,500 copies printed.

Resp. Ed.: S.V. Yablonskiy, Candidate of Physical and Mathematical Sciences; Ed. of Publishing House: A.Z. Ryvkin and L.K. Nikolayeva; Tech. Ed.: T.P. Polenova.

PURPOSE: This collection of articles contains original contributions of Soviet mathematicians in mathematical logic and is intended for mathematicians working in this field.

COVERAGE: The articles deal with studies of problems connected with mathematical logic and their applications to certain problems of cybernetics. Primarily, Switching circuits are studied, but many

Card 1/7

Collection of Articles on Mathematical Logic (Cont.)

SOV/1708

of the results obtained are of a more general character. The content of the collection of articles is closely connected with many branches of cybernetics which study the methods of describing the processing of discrete information, problems of the analysis and synthesis of control systems, and methods of controlling the performance of control systems. The characteristic feature of these articles is their connection with various fields of mathematics such as, mathematical logic, combination analysis, set theory, algebra, topology and theory of numbers. All articles were written in the years 1954-1955, and the concepts presented are arranged in the book in a systematic order. The first articles concern problems of mathematical logic, then problems of the theory of the synthesis of circuits are examined, and finally problems of the theory of controlling the performance of circuits are considered. The editor thanks Professor A.A. Lyapunov, Professor S.A. Yanovskiy, B.Yu. Pil'chak, A.P. Yershov, V.A. Uspenskiy, and Yu.I. Yanov for their remarks in connection with the final editing of the collection.

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AVAILABLE: Library of Congress
Card 7/7

LK/ad
6-16-59

YEVGRAFOV, M.A.; CHEGIS, I.A.

Generalization of the Fragmen-Lindelöf theorem for analytic
functions on harmonic functions in space. Dokl. AN SSSR 134
no.2:259-262 S '60. (MIRA 13:9)

1. Predstavleno akad. M.V.Keldyshem.
(Functions, Analytic)

CHERIS, I.A.

Plancher-Lindelof type of expansion of harmonic functions in a rectangular cylinder. Dokl. Akad. Nauk. 196 no. 3:556-559 Jan '61.
(MIRA 14:2)

1. Vsesoyuznyy nauchnyy energooborotnyy inst'ut. Predstavlena
skladovaya i. V. Keldyshev.
(Approximate computation, (Harmonic Functions)

DYUBYUK, Petr Yevgen'yevich; KRUCHKOVICH, G.I.; GLAGOLEVA, N.N.;
GUTARINA, N.I.; PANFILOVA, I.A.; RIMSKIY-KORSAKOV, B.S.;
SENKEVICH-PURSHTEYN, R.S.; SULEYMANOVA, Kh.R.; CHEGIS, I.A.;
SELIVERSTOVA, A.I., red.; GOROKHOVA, S.S., tekhn.red.

[Problems for a higher mathematics course in technical
schools of higher education] Sbornik zadach po kursu vys-
shei matematiki dlia vtuzov. [By] P.E.Diubiuk i dr. Moskva,
Vysshiaia shkola, 1963. 661 p. (MIRA 17:1)

DYUBYUK, P.Ye.; KRUCHKOVICH, G.I.; GLAGOLEVA, N.N.; GUTARINA,
N.I.; PANFILOVA, I.A.; RIMSKIY-KORSAKOV, B.S.; SENKEVICH,
R.L.; SULEYMANOVA, Kh.R.; CHEGIS, I.A.; GEYDEL'MAN, R.M.,
prof., retsenzent; SELIVERSTOVA, A.I., red.

[Problems for a course in higher mathematics] Sbornik zadach po kursu vysshei matematiki. Moskva, Vysshaia shkola, 1965. 590 p. (MIRA 18:8)

ZINCHUK, V.P., inzh.; CHEGENEV, I.P., inzh.

Assembly in large units of the metal elements of a tall
installation at the Syzran' Petroleum Refinery. Mont. i spets.
rab. v stroi. 25 no.5:6-8 My '63. (MIRA 16:7)

1. Trest Neftekhimmontazh i Kuybyshevskiy filial Gosudarstvennogo
instituta po vnedreniyu peredovykh metodov raboty i truda v
stroitel'stve.

(Syzran'---Petroleum refineries---Design and construction)

CHEGLAKOVA, N. I.

"Toxic and Antigenic Substances of the 'Complete Antigene' of *B. proteus vulgaris* Isolated From Meat Products," Trudy Kirovskogo Sel'sko-khozyaistvennogo Inst. (Works of the Kirov Agricultural Institute), Kirov, Vol 8, No 1, 1952, pp 193-198.

COMMON ELEMENTS																											COMMON VARIABLES INDEX																										
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2183. STEAM TURBINE CONTROL SYSTEMS WITH TWO STAGES OF AMPLIFICATION : Cheglaev, A. (Izvestia Vses. Teplotekh. Inst., Aug. 1947, (8), 1-6).																																																					
A method is developed for the rapid calculation of turbine control systems employing two stages of amplification. A number of control systems are described, together with variations.																																																					

Cheglikov, A.G.

CHEGLIKOV, A.G.

Using $P - Q$ coordinates for the graphic representation and
analysis of the processes of refrigerating and heat-power machines.
Trudy Inst. isp. gaza AN URSS no.4:59-65 '56. (MIRA 10:12)
(Thermodynamics)
(Refrigeration and refrigerating machinery)

28(5)

AUTHOR:

Cheglikov, A. G.

05767

SOV/32-25-10-56/63

TITLE:

On the Method of Taking Samples of Liquid Hydrocarbons

PERIODICAL:

Zavodskaya laboratoriya, 1959, Vol 25, Nr 10, p 1274 (USSR)

ABSTRACT:

When taking samples in a low pressure gasometer the liquid gas is usually evaporated in a small heat exchanger, in which case heavier hydrocarbons may, however, remain liquid. A device was constructed, which makes it possible to take samples immediately from the storage vessel for liquid hydrocarbons. The device is made of ordinary steel and has two valves: one at the upper end, where the liquid gas is filled in, and one at the lower end, where the sample is taken off. When taking samples, the device is completely filled with the liquid gas, which is allowed to pass through it. After the device has been emptied, i.e. after evaporation of the gas, the rest of the heavier hydrocarbons, which have remained liquid, is weighed, and thus all hydrocarbons contained by the gasometer are determined. There is 1 figure.

ASSOCIATION:

Institut ispol'zovaniya gaza Akademii nauk USSR (Institute for Gas Utilization of the Academy of Sciences, UkrSSR)

Card 1/1

KLIMENKO, Aleksandr Petrovich; PETRUSHENKO, Aleksandr Antonovich; VASENTOV,
Yuriy Andreyevich; VYSOTSKIY, Grigoriy Ivanovich; CHEGLIKOV, A.G.,
otv.red.; REMENNIK, T.K., red.izd-va; RAKHLINA, N.P., tekhn.red.

[Thermodynamic properties of light hydrocarbons of the paraffin
series] Termodinamicheskie svoistva legkikh uglevodorodov parafinovogo
riada. Kyiv, Izd-vo Akad.nauk Ukrainskoi SSR, 1960. 95 p. (Akademiia
nauk URSR, Kiev. Instytut vykorystannia gazu. Trudy, no.8).

(MIRA 14:12)

(Hydrocarbons--Analysis)

CHEGLIKOV, A.G.

Cascade system of methane liquefaction. Trudy Inst. isp. gaza
AN USSR 9:51-55 '61. (MIRA 15:9)

(Methane)
(Gases--Liquefaction)

CHEGLIKOV, A.G.; TOLUBINSKAYA, L.F.

Operation of a stabilizer plant for casing-head gasoline.
Trudy Inst.isp.gaza AN USSR 9:75-82 '61. (MIRA 15:9)
(Borislav—Gasoline)

KOSTYUK, V.I.; CHEGLIKOV, A.G.

Small device for topping cracked gas. Neftoper. i neftekhim.
no.4s11-13 *63 (MIRA 17*7)

1. Kiyevskiy institut ispol'zovaniya gaza AN UkrSSR.

AEROV, M.E., doktor tekhn.nauk; BYSTROVA, T.A., kand.tekhn.nauk; ZELENTOVA, N.I.,
inzh.; KLIMENKO, A.P., kand.tekhn.nauk; CHEGLIKOV, A.G., kand.tekhn.nauk;
KOSTYUK, V.I., inzh.

Experimental study of the contact heat exchange. Khol.tekh. 40 no.1:
37-40 Ja-F '63. (MIRA 16:3)

1. Nauchno-issledovatel'skiy institut sinteticheskikh spirtov i
organicheskikh produktov (for Aerov, Bystrova, Zelentsova).
 2. Institut ispol'zovaniya gaza AN UkrSSR (for Klimenko, Cheglikov,
Kostyuk).
- (Heat—Transmission) (Refrigerants)

S/066/63/000/001/002/002

AUTHOR: Aerov, M. E., Doctor of Technical Sciences, Bystrova, T. A., Candidate of Technical Sciences, and Zelentsova, N. I., Engineer; Klimenko, A. P., Candidate of Technical Sciences, Cheglikov, A. G., Candidate of Technical Sciences, and Kostyuk, V. I., Engineer

TITLE: An experimental study of contact heat exchange

PERIODICAL: Kholodil'naya tekhnika, no. 1, 1963, 37-40

TEXT: To study contact heat exchange, the authors investigated packed evaporators and condensers and developed apparatus which used these devices. The systems studied were: an aqueous solution of calcium chloride - boiling propane and an aqueous solution of calcium chloride-boiling butane. The basic part of the apparatus was a contact evaporator which was a scrubber filled with ceramic packing of 17 x 17 x 4 mm Raschig rings. The temperature difference in the apparatus was 1-3°. Values of the heat transfer coefficient, 3,000 to 10,000 kcal/m² per hour, obtained here in the upper zone of the evaporator were lower than those obtained in industrial foaming apparatus, due to lower steam velocities.

Contact heat exchange in condensers was also proposed to improve effectiveness of refrigeration equipment. This scheme permitted elimination of tube heat exchangers

Card 1 of 2

An experimental study ...

S/066/63/000/001/002/002

by replacement of ammonia by propane at about 1/9 the cost. Compressed propane was delivered to the lower part of a contact condenser and forced upward against a flow of cooling water. The condensate and water passed into the lower part of the condenser where the phases were separated. The use of propane increased the cooling capacity. The equilibrium concentration of propane in water under ordinary working conditions (pressure of 11 to 12 atm, temperature of 30°) was 0.5×10^{-3} kg per kg of water. Losses of propane from water in the aqueous condensate were about 5×10^{-3} kg per kg of circulating propane. Equilibrium concentration of water in liquid propane was 0.14×10^{-3} kg/kg. Two figures and one table were given. English language references: L. Garwin and B. D. Smith, Chem. Engng Progress, 1953, no. 11; T. Woodward, Ibid., 1961, no. 1; G. Karnofsky, Ibid., 1961, no. 1; W. G. Knox, T. Hess, Ibid., 1961, no. 2; W. F. Hoot, Petrol. Refiner, vol. 30, no. 5, 1961, D. S. Davis, Chem. and Process Engng., 1960, vol. 41, no. 2.

ASSOCIATIONS: Nauchno-issledovatel'skiy institut sinteticheskikh spiritov i organicheskikh produktov (Scientific Research Institute for Synthetic Alcohols and Organic Products) (Aerov, M. E.; Bystrova, T. A.; Zelentsova, N. I.); Institut ispol'zovaniya gaza AN UkrSSR (Institute for the Utilization of Gas, AS, UkrSSR) (Cheglikov, A. G.; Klimenko, A. P.; Kostyuk, V. I.)

Card 2 of 2

KOSTYUK, V.I.; CHEGLIKOV, A.G.

New method for reducing petroleum gases. Gaz. delo no.6:32-36
64. (MIRA 17:8)

1. Institut gaza AN UkrSSR.

CHEGLIKOV, A.G., kand. tekhn. nauk

Effect of the superheating of the suction vapor on the performance
of the propane compressor. Khol. tekhn. 40 no. 3:9-15 My-Je '63.
(MIRA 16:9)

1. Institut ispol'zovaniya gaza AN UkrSSR.
(Refrigeration and refrigerating machinery—Testing)

KOPYTOV, V.F., doktor tekhn. nauk, otv. red.; VESELOV, V.V.,
kand. khim. nauk, red.; YERINOV, A.Ye., kand. tekhn. nauk,
red.; TISHCHENKO, A.T., kand. tekhn. nauk, red.; DASHEVSKIY,
L.N., kand. tekhn. nauk, red.; CHEGLIKOV, A.T., kand. tekhn.
nauk, red. SIGAL, I.Ya., kand. tekhn. nauk, red.;
SEMENKOVSKAYA, P.T., kand. tekhn. nauk, red.; YEREMENKO, A.S.,
kand. tekhn. nauk, red.; DYBAN, Ye.P., kand. tekhn. nauk, red.;
FEDOROV, V.I., kand. tekhn. nauk, red.; POL'SKIY, N.I., kand.
fiz.-mat. nauk, red.

[Transactions of the Second Heat Engineering Conference of
Young Research Workers] Trudy vtoroi teplotekhnicheskoi kon-
ferentsii molodykh issledovatelei. Kiev, Izd-vo AN USSR, 1963.
278 p. (MIRA 17:6)

1. Teplotekhnicheskaya konferentsiya molodykh issledovateley,
2, 1963. 2. Chlen-korrespondent AN Ukr.SSR (for Kopytov).

VOL'PSON, F.I.; LUKIN, L.I.; DYUKOV, A.I.; KUSHNAREV, I.P.; PEK, A.V.;
 RYBALOV, B.I.; SONYUSEKIN, Ye.P.; KHOROSHILOV, L.V.; CHERNYSHEV,
 V.F.; BIRYUKOV, V.I.; GARMASH, A.A.; DRUZHININ, A.V.; KARAMYAN,
 K.A.; KUZNETSOV, K.F.; LOZOVSKIY, V.I.; MALINOVSKIY, Ye.P.;
 NEVSKIY, V.A.; PAVLOV, M.V.; ROMENSON, B.M.; SAMONOV, I.Z.;
 SIDORENKO, A.V. [deceased]; SOPKO, P.P.; CHUGLOKOV, S.V.; YUDIN,
 B.A.; KREYTER, V.M., doktor geologo-mineral.nauk, retsenzent;
 KOTLYAR, V.N., doktor geologo-mineral.nauk, retsenzent; GRUSHEVOY,
 V.G., doktor geologo-mineral.nauk, retsenzent; NAKOVNIK, N.I., doktor
 geologo-mineral.nauk, retsenzent; KUREK, N.N., doktor geologo-mineral.
 nauk, retsenzent; LIOGHEV'KIY, S.N., retsenzent; SHATALOV, Ye.T., doktor
 geologo-mineral.nauk, red.; KRISTAL'NIY, B.V., red.; SERGEYEVA, N.A.,
 red.isd-va; GUROVA, O.A., tekhn.red.

[Basic problems and methods of studying structures of ore provinces
 (Continued on next card)]

VOL'FSON, F.I.---(continued) Card 2.

and deposits] Osnovnye voprosy i metody izucheniia struktur rudnykh polei i mestorozhdenii. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane neдр, 1960. 623 p.

(MIRA 13:11)

1. Akademiya nauk SSSR. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii. 2. Moskovskiy institut tsvetnykh metallov i zolota (for Dyukov, Biryukov, Druzhinin, Kuznetsov). 3. Institut mineralogii, geokhimii i kristalloghimii redkikh elementov AN SSSR (for Garmash). 4. Akademiya nauk Armyanskoy SSR (for Karamyan). 5. Baleyzoloto (for Sidorenko). 6. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR (for Malinovskiy, Nevskiy, Pavlov, Chernyshev). 7. Moskovskiy geologorazvedochnyy institut im. S.Ordzhonikidze (for Ronenson). 8. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya (for Samonov). 9. Voronezhskiy universitet (for Sopko). 10. Kol'skiy filial AN SSSR (for Yudin).

(Ore deposits)

KOSHEVOY, Oleg Konstantinovich; CHEGODAYEV, Dmitriy Dmitriyevich;
AL'PERIN, G.R., red.; FREGER, D.P., red. izd-va;
BELOGUROVA, I.A., tekhn. red.

[Casting and molding of articles of polymeric-monomeric
composition] Lit'e i formovanie izdelii iz polimer-
monomernykh kompozitsii; stenogramma lektsii. Leningrad,
1963. 51 p. (MIRA 16:10)

(Plastics--Molding)

CHEGLOKOV, Ye. I. and ZHDANOV, V. A.

"Theory of Tetragonal Binary Lattices," Zhur. Fiz. Khim., 26, No.3, 1952.

CHEGLOKOV, Ya.I.; VAYSBERG, A.I.

Structure of the valence zone in semiconductors which have lattice similar to zinc sulfide. Izv. vys. ucheb. zav.; fiz. no.3:62-66 '58. (MIRA 11:9)

1. Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosuniversitete imeni V.V. Kuybysheva.
(Semiconductors)

CHEGLOKOV, Ye. I.,

Cheglov, Ye. I. and A.M. Vaysberg (SFTI)

"The "bond lattice" and found that the effective mass of the light hole increases with the increase of the ionic component in the bond and becomes anisotropic"

Report presented at a Conference on Solid Dielectrics and Semiconductors,
Tomsk Polytechnical Inst., 3-8 Feb. 58.
(Elektrichestvo, '58, No. 7, 83-86)

S/139/59/000/05/024/026
E072/E135

AUTHOR: Cheglov, Ya. I.

TITLE: On the Structure of the Valence Band of Tellurium-type Crystals 21

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika,
1959, Nr 5, pp 154-163 (USSR)

ABSTRACT: The method of equivalent orbits is used to discuss the structure of the valence band of tellurium-type crystals. The valence band maximum may occur at one of the points Γ , A , K , H of the Brillouin zone. The zones are not in contact at the point where the maximum occurs and the constant energy surfaces near the maximum are ellipsoids of revolution about a third-order crystallographic axis. The wave-function of the state representing the valence-band maximum is symmetrical. The paper is entirely theoretical.
Card 1/1
There are 3 figures, 4 tables and 11 references, of which 6 are Soviet and 5 English.

ASSOCIATION: Sibirskiy fiziko-tekhnicheskii institut pri Tomskom gosuniversitete imeni V.V. Kuybysheva (Siberian Physico-Technical Institute at the Tomsk State University imeni V.V. Kuybyshev)

RECEIVED: January 14, 1959

85082

S/139/60/000/004/036/044/XX
E201/E491

26.2420

AUTHOR: Cheglov, Ye.I.

TITLE: Structure of the Valence Band of Bismuth-Type Crystals 21

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika, 1960,
No.4, pp.13-21

TEXT: In the one-electron approximation the electron states in a crystal are given in terms of one-electron wave-functions. The wave-function of the whole crystal is represented by a Fok determinant, constructed from one-electron wave-functions. In studies of the valence states of electrons in a crystal, one of the main problems is separation of the ground state. For compounds with "saturated" covalent bonds the ground state of valence electrons is assumed to be represented by equivalent electron orbits which give the electron states in the bonds (Refs.1,2). Using this assumption and the chemical structure, symmetry of the valence electron states can be derived and a parametric expression can be obtained for valence electron energies. Such studies were carried out earlier for diamond-type crystals (Refs.2,3), tellurium-type crystals (Ref.4) and for InSb (Refs.5,6). The present author applies this equivalent orbit approach to
Card 1/2

85082
S/139760/000/004/036/044/XX
E201/E491

Structure of the Valence Band of Bismuth-Type Crystals

covalent crystals of bismuth type. The space group of bismuth-type crystals is D_{3d}^5 . Bismuth is a laminar crystal: each atom in a layer is bound to three neighbours by covalent bonds; the layers are bound by van der Waals forces. Fig.1 shows a layer of bismuth: atoms represented by black dots (A) and open circles (B) lie in parallel layers. Covalent bonds join atoms of type A with those of type B; the bonds are shown by dashed lines in Fig.1. The first Brillouin zone of bismuth-type crystals is shown in Fig.2. Fig.3 shows a bond (denoted by 1) in one layer and its second-nearest neighbours in a layer above it. The author uses equivalent orbits to derive the symmetry properties of the valence band of bismuth and the electron energies in that band. The paper is entirely theoretical. There are 3 figures, 2 tables and 10 references: 5 Soviet, 4 English and 1 Japanese.

ASSOCIATION: Sibirskiy fiziko-tekhnicheskii institut pri Tomskom gosuniversitete imeni V.V.Kuybysheva (Siberian Physico-Technical Institute at Tomsk State University imeni V.V.Kuybyshev)

SUBMITTED: September 11, 1959
Card 2/2

CHEGLOKOV, Ye. I.

Cand Phys-Math Sci - (diss) "Use of method of equivalent orbits for calculation of structure of valency zones of several covalent crystals." Tomsk, 1961. 8 pp; (Tomsk State Univ imeni V. V. Kuybyshev); 150 copies; price not given; (KL, 10-61 sup, 205)

L 13053-63

EWG(j)/EWG(k)/EWG(m)/BDS/EEC(b)-2 AFFTC/ASD/ESD-3

RM/AT/IJP(C)

ACCESSION NR: AT3003003

8/2927/62/000/000/0198/0205

79
75

AUTHOR: Katayev, G. A.; Prezlov, V. A.; Chaglov, Ye. I.; Zgayevskiy, V. E.; Batuyeva, Ye. N.; Katayev, Yu. G.

TITLE: Effect of physicochemical conditions of surface on the parameters of germanium p-n junctions [Report of the All-Union Conference on Semiconductor Devices held in Tashkent from 2 to 7 October 1961]

SOURCE: Elektronno-dy*rochny*ye perekhody* v poluprovodnikakh. Tashkent, Izd-vo AN UzSSR, 1962, 198-205

TOPIC TAGS: germanium transistor, germanium transistor stabilization.

ABSTRACT: Complex chemical and adsorption compounds determine the concentration and position of energy levels of impurity centers and also the recombination conditions and conductivity of the semiconductor. Theoretical and experimental studies of the surface conditions reported in the article were intended to help in solving the problem of stabilization of Ge devices. Effect of the surface potential on the parameters of semiconductor devices is considered, and theoretical current-gain vs. surface charge and current-voltage curves are presented. Experiments were conducted with P-5 and P-6 open-type Ge transistors which were treated with amines (aniline, dimethylaniline, aniline black, quinoline, triethylamine)

Card 1/2

L 13053-63

ACCESSION NR: AT3003003

or with As, Se, Mg, Zn. The amine treatment brought about the following results: (1) amine adsorption lowers the reverse collector currents; (2) it also affects the gain which increases or decreases depending on the basicity of the amine in question; (3) durability of the adsorption bond, which is connected with the semiconductor-device stability, depends on the type of amine used; (4) amine treatment makes the surface charge less negative. Detailed explanations of the above results are offered. Adsorption of elementary substances has revealed that As, Se, Mg increase the gain and decrease the collector currents; Zn has the reverse effect. Protective coating of treated surfaces by RPE-401 and EM-50 enamels was also tested. Orig. art. has: 4 figures, 8 formulas, and 3 tables.

ASSOCIATION: Akademiya nauk SSSR (Academy of Sciences SSSR) Akademiya nauk Uzbekskoy SSR (Academy of Sciences UzSSR) Tashkentskiy gosudarstvennyy universitet Tashkent State University)

SUBMITTED: 00

DATE ACQ: 15May63

ENCL: 00

SUB CODE: 00

NO REF SOV: 003

OTHER: 004

Cord 2/2

L 12828-63

EWT(1)/EWG(k)/BDS/ES(s)-2

AFFTC/ASD/ESD-3/SSD

Pz-4/Pt-4

AT

ACCESSION NR: AT3003024

S/2927/62/000/000/0300/Q310

68

AUTHOR: Cheglov, Ye. I.; Khlebnikova, L. V.

TITLE: Rectification with a dielectric-layer contact [Report at the All-Union Conference on Semiconductor Devices, Tashkent, 2-7 October, 1961]

SOURCE: Elektronno-dy*rochny*ye perekhody* v poluprovodnikakh. Tashkent, Izd-vo AN UzSSR, 1962, 300-310

TOPIC TAGS: rectification, dielectric-layer contact

ABSTRACT: A quantitative theory is offered of rectification at the contact of two dissimilar metals with a dielectric layer between them. Fundamental differential equations and the self-consistent potential in the dielectric are considered. The current-voltage characteristic and the rectification factor formula are developed. Some peculiarities of a metal-dielectric-semiconductor contact are examined. The following conclusions are arrived at: (1) if the metal contact potential difference considerably exceeds the average thermal energy of electrons in the crystal, and if the dielectric thickness does not exceed the minimum Debye's length, the metalA-dielectric-metalB contact will have rectifying properties; (2) the maximum rectification factor is determined by the metal contact potential

Card 1/2

L 12828-63

ACCESSION NR: AT3003024

difference and is independent of the dielectric parameters; (3) the current through the contact materially depends on the metal-to-dielectric work function, and only a special selection of specimens can provide noticeable currents; (4) rectification across a metal-dielectric-semiconductor contact is likely to be better than that across a metal-dielectric-metal contact. Orig. art. has: 2 figures and 36 formulas.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 15May63

ENCL: 00

SUB CODE: PH

NO REF SOV: 003

OTHER: 001

Cord 2/2

L 12972-65 EWT(1)/T/EEG(b)-2 IJ¹⁰(1)

ACCESSION NR: AF4039678

S/0181/64/006/006/1834/1844

AUTHOR: Cheglov, Ye. I.

B 2

TITLE: On the symmetry of the solutions of the Hartree-Fock equations for crystals

SOURCE: Fizika tverdogo tela, v. 6, no. 6, 1964, 1834-1844

TOPIC TAGS: symmetry group, Hartree Fock equation, spin orbit interaction, Schrodinger equation, periodic potential, band theory, Hamilton equation, spin orbit equivalence, covalent bond

ABSTRACT: The author studied the symmetry properties of the Hartree-Fock equations for crystals with and without taking into account the spin orbit interaction. He showed that discarding the assumption about doubly occupied states led to the solution of the Hartree-Fock equations different from the solution of the Schrodinger equation. He points out that the one-electron function satisfies the general system of Hartree-Fock equations $H_p \psi_a(x_1) = \sum_p \lambda_{pa} \psi_p(x_1)$, $a=1, 2, \dots, N$, where the

Hamiltonian is given by $H_p = \Omega_1 + \int \Omega_{12}(1-p_{12}) \rho(2', 2) dx_2 + \frac{1}{2!} \int \Omega_{123}(1-p_{12}-p_{13})$

$$\times \left| \frac{\rho(2', 2) \rho(2', 3)}{\rho(3', 2) \rho(3', 3)} \right| dx_2 dx_3 + \dots$$

Card 1/2

L 12972-65

ACCESSION NR: AP4039678

$\rho(\alpha, \beta) = \sum_{i=1}^N \psi_i^*(x_\alpha) \psi_i(x_\beta)$. Here $\rho_{\alpha\beta}$ is the permutation operator for coordinates x_α and x_β . Operators Ω_1, Ω_{12} are determined by the single-particle, two-particle operators resulting from the decomposition of the Hamiltonian for the system. It is shown that the symmetry groups of the Hartree-Fock equation involved an operation $R(g)$ of arbitrary unitary rotation and also an operation of complex conjugation ("time reversal"), provided that the projection operator given by

$$P_i = \frac{\prod_{k=0}^{N/2} [S^2 - k(k+1)]}{[I(I+1) - k(k+1)]}$$

and the Hamiltonian for the electrons in the crystals were real. Orig. art. has: 49 equations.

ASSOCIATION: Sibirskiy fiziko-tekhnicheskoy nauchno-issledovatel'skiy institut pri Tomskom gosudarstvennom universitete im. V. V. Kuybyshcheva (Siberian Physico-technical Scientific Research Institute at Tomsk State University)

SUBMITTED: 07Jun63

ENCL: 00

SUB CODE: SS

NO. REF SOV: 003

OTHER: 007

Cord 2/2

ACCESSION NR: AP4039679

S/0181/64/006/006/1845/1853

AUTHOR: Cheglov, Ye. I.

TITLE: Possible structure of the valence zones in crystals of hexagonal selenium and tellurium

SOURCE: Fizika tverdogo tela, v. 6, no. 6, 1964, 1845-1853

TOPIC TAGS: selenium, tellurium, valence zone, infrared absorption, electron transition, crystal lattice, energy level, spin orbit

ABSTRACT: Infrared absorption curves of hexagonal selenium and tellurium exhibit peaks for light polarized parallel and perpendicular to the principle axis. These peaks are shown in Fig. 1 on the Enclosures, plotted from data given by H. Gobrecht and A. Tausend (Z. Phys., 161, 205, 1961). The peaks had been previously explained by transition of inner, nonvalence electrons to the hole zones. In the present work they are explained by direct electron transitions between states of the valence zone (rejecting the assumption that the wave function of the system, with the contribution of the spin-orbit interaction, must change to a function describing a system with doubly occupied single electron states). The equivalent orbit method leads to a symmetry of the valence zone states. The crystals are composed of atoms distributed in parallel spiral chains linked with covalent bonds, the electrons
Card 1/5

ACCESSION NR: AP4039679

states of which are described by equivalent spin-orbits satisfying the system of Hartree-Fock equations. The elemental crystal unit is a D_{3h}^4 spatial group. Symmetry of the equivalent spin-orbits determined the symmetry of the valence zone wave functions. The Γ , A, K, H, points of the Brillouin zone of selenium are shown in Fig. 2 on the Enclosures and the symmetry of the other points is determined by the consistency relations. The electron energies are found as the characteristic numbers of the matrix of the Lagrangian equations. An operator is introduced for both the spatial symmetry and the manipulation of time. The symmetry of the equivalent spin-orbit was completely determined. The secular equation for energy was of the sixth order. It was divided into three quadratic equations by the consistency expressions for symmetry. The structures of the valence zones of Se and Te are schematically presented, and, from these, diagrams of the energy levels for transitions of electrons with infrared absorption are established. The qualitative pictures of absorption (see Fig. 3 on the Enclosures) were used to explain the features of the absorption curve and the operation of the selection rules. Orig. art. has: 9 figures and 21 equations.

ASSOCIATION: Sibirskiy fiziko-tekhnicheskoy nauchno-issledovatel'skiy institut pri Tomskom gosudarstvennom universitete im. V. V. Kuybysheva (Siberian Physico-technical Scientific Research Institute at Tomsk State University)

Card 2/5

ACCESSION NR: AP4039679

SUBMITTED: 07Jun63

ENCL: 02

SUB CODE: SS

NO REF SOV: 004

OTHER: 003

Card 3/5

ACCESSION NR: AP4039679

ENCLOSURE: 01

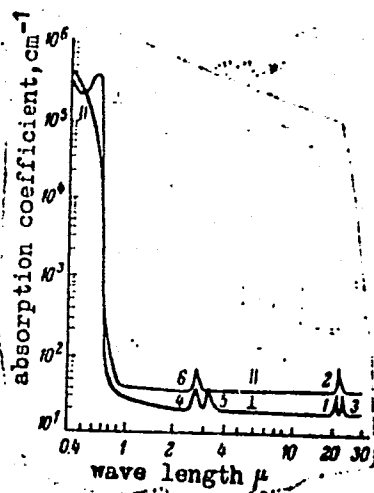


Fig. 1. Absorption coefficients of selenium monocrystals.

Card 4/5

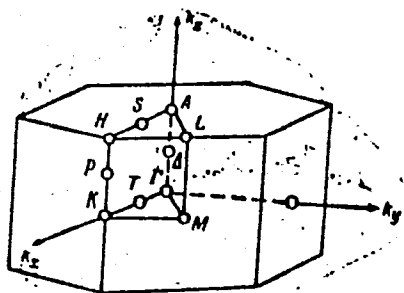


Fig. 2. Brillouin zone in crystals of selenium type.

ACCESSION NR: AP4039679

ENCLOSURE: 02

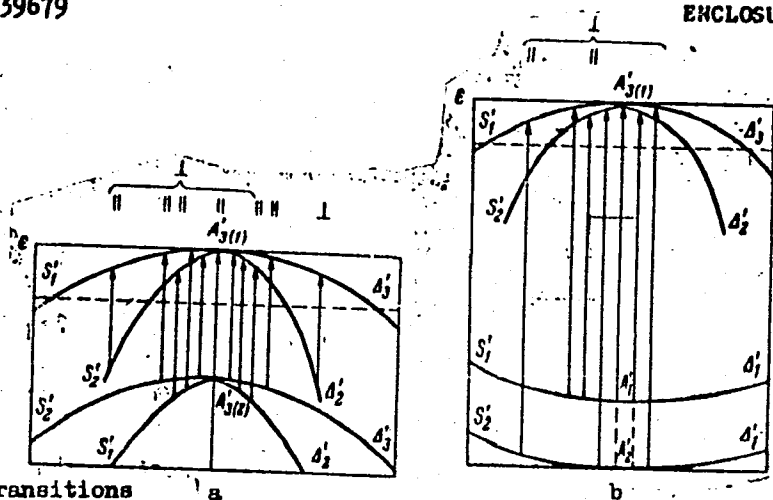


Fig. 3. Optical transitions in selenium.

a- transitions corresponding to the right hand group of absorption peaks in Fig. 1;
b- transitions corresponding to the left hand group of absorption peak in Fig. 1.
Polarizations for which transitions are permitted are shown above the graphs.

Card 5/5

CHEGLOKOVA, G. V.

"Antibiotics in the case of experimental anthrax in animals."

Veterinariya, Vol. 37, No. 7, 1960, p. 43

Assistant - Khar'kov Vet Inst

CHEGLOKOVA, G.V., assistant

Antibiotics in the case of experimental anthrax in animals.
Veterinariia 37 no.7:43-44 JI '60. (MIRA 16:2)

1. Khar'kovskiy veterinarnyy institut.
(Anthrax) (Antibiotics)

CHEGLOKOVA, V. A.

*Metallized Paper (Aluminum). A. S. Korzhuev, G. A. Korenkova, and V. A. Chegloкова (Bumazhnaya Prom. (Paper Ind.)), 1938, 16, (6) 28-30; O, Abs., 1939, 33, 860).- (In Russian). Numerous experiments are described of the coating of various grades and types of paper with aluminum foil with the use of different glues and size pastes and in colouring the metallized paper with varnishes, polishing, delustering, printing, embossing, &c. The most suitable sizes for different types of paper are given.--S. G.

CHEGODAR, P., polkovnik; KALACHNIKOV, A., podpolkovnik

Let's steadfastly carry out the decisions of the plenary session
of the Central Committee of the CPSU of October 1957. Komm.Vooruzh.

Sil 1 no.2:35-41 0 '60.

(MIRA 14:8)

(Russia--Army--Political activity)

CHEGODAYEV, A. A. (Eng.)

IX. "Mechanization and Automation in Cold Stamping Shops. 1. Methods of increasing labor productivity in cold stamping. 2. Mechanization and automation of cold-stamping processes. 3. Mechanization of supporting operations." Automation and Mechanization of Production Processes in Instrument Manufacturing, Moscow, Mashgiz, 1958. 591 p.

PURPOSE: This book is intended for engineers, technicians, and scientific personnel concerned with mechanization and automation of production processes in instrument manufacturing, and for students and teachers of this subject in vuzes.

ISAKOV, A.A. (Kemerovskaya oblast'); ZHURGARAYEV, Amangel'dy (Dzhambul'skaya obl., KazSSR); VLADIMIROV, A. (Asbest); FRIMAN, L.I. (Yaroslavl'); KILIMNIK, Ya.Ye. (Vinnitsa); TEREKHOV, I.A. (Skopin); AKDAULETOV, N.A. (pos. Mertuk. KazSSR); ZAKHARKIN, V.Ye. (pos. Rudtsev, Tul'skaya oblast'); SHESTOPAL, G.A. (Moskva); KOTII, O.A. (Yaroslavl'); GAUKHMAN, V.A. (Moskva); LOPSHITS, A.M. (Yaroslavl'); SERGUSHOV, S.A. (Yaroslavl'); GOTMAN, E.G. (Pechora); VETROV, K.V. (Putintsevo, Vostochno-Kazakhstanskoy obl.); MIKHELEVICH, Sh.Kh. (Daugavpils); SKOPETS, Z.A. (Yaroslavl'); RYBKOV, L.M. (Yaroslavl'); CHEGODAYEV, A.I. (Gavrilov-Yam)

Problems. Mat.v shkole no.6:85-92 N-D '62. (MIRA 16:1)
(Mathematics--Problems, exercises, etc.)

SKOPETS, Z.A. (Yaroslavl'); CHEGODAYEV, A.I. (Gavrilov Yam)

Theorems involving two and three rotations and their use in
the solution and designing of geometrical problems. Mat. v
shkole no.3:60-65 My-Je '63. (MIRA 16:7)

(Geometry—Study and teaching)

CHEGODAYEV, A. M.

PA 51T91

Oil/Petroleum Industry
Hoists, Engine

Jan 1942

**"Selection of Proper Speeds for Hoisting Equipment
at Petroleum Industries," A. M. Chegodayev, 6 1/2 pp**

"Nefte Khozyay" No 1

Discusses present state of the problem; the degree of loading hoisting equipment operated by engine capable of being overloaded, and the proper methods to use in selecting a speed for the hoisting equipment. States, however, that data he presents is purely theoretical, and in need of experimental and practical confirmation. Should his theories be proved to be good, they should be adopted as soon as possible in the designing of new mining equipment.

LC

51T91

CHEGODAYEV, A. M.

PA 64T79

USSR/Petroleum Industry
Oil Wells

Apr 1948

"On the Question of Rapid Flushing of Oil Wells,"
A. M. Chegodayev, Groznyy, 5 pp

"Neft Khoz" No 4

Describes methods to evaluate the effect of flushing
and its technology that were first used at the Groz-
nensk Petroleum Institute in 1944. Flushing operation
is used to clean out the bores of wells.

LC

64T79

CHEGODAYEV, A. M. I VTYURIN, A. I.

24943

CHEGODAYEV, A. M. I VTYURIN, A. I. -O Prioritete Akademika A. P.
Germana V Dokazatel'stve Zakona "O Sovmestimosti Effektivnykh Kharakteristik
Tsentrovezhnykh Hagnetateley." Gornyy Zhurnal, 1949, No. 8. S. 16-17.

D. Technoye Priberostroyeniye Kontrol'no-Izmeritel' Naya Texnika

So: Letopis', No 33, 1949.

1 2 3 4 5 6 7 8 9 10 11 12 U M 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50																									
LET AND 2ND COLUMNS																									
CHERODAYEV, D. D. 13 Condensation products of urea or thiourea. E. N. Freilberg and D. D. Cherdakov. Russ. 3230, Nov/20, 1937. Urea or thiourea is condensed with butyraldehyde, and the product treated with CH_2O with or without addn. of urea. ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION																									
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CHEGODAYEV, D.D.

KRYLOV, S.S.; RYABININAYA, G.N.; LYANDEBERG, G.Ya.; CHEGODAYEV, D.D.

Forms made of plastic materials for molding gypsum and cement
construction details. Rats. i isobr.predl. v stroi no.66:6-7 '53.
(Architecture--Details) (Plastics) (MLRA 7:9)

CHIRGODAYEV, D.D., redaktor; KOTS, V.A., redaktor; ERLIKH, Ye.Ya., tekhnicheskii redaktor

[EZO, an anticorrosive agent (Ethylcellulose protective film)] Anti-korrosionnaya massa EZO (Etitselliulosaia sashchitnaya obolochka). Leningrad, Gos.nauchno-tekhn. izd-vo khim lit-ry, 1955. 19 p.

(Cellulose) (Corrosion and anticorrosives)

(MLRA 9:2)

CHIGODAYEV, D.D.; CHERNOSHEVICH, L.V., redaktor; KHAVIN, Z.Ya., redaktor;
ERLIKH, Ye.Ya., tekhnicheskiiy redaktor

[Fluoroplastic] Ftoreoplasty. Pod red. L.V.Chernshevicha. Leningrad,
Gos. nauchno-tekhn. izd-vo khim. lit-ry, 1956. 85 p. (MLRA 10:2)
(Plastics) (Ethylene)

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Chegodayev, D

D

Ftoroplasty [Fluoroplastics]
Leningrad, Goskhimizdat, 1956.

85 p. illus., diagrs., graphs,
tables. (Novyye Plasticheskiye Massy)

Bibliographical footnotes.

CHEGODAYEV, D.D.
CHEGODAYEV, D.D.; BUGORKOVA, N.A.; KUZNETSOVA, A.A.; YAVZINA, N.Ye.

On the nature of spherulites in polytrifluorochloroethylene (with
summary in English. Zhur.fiz.khim. 31 no.9:2061-2065 S '57.

(Ethylene) (Spherulites)

(MIRA 11:1)

5(4), 15(8)

AUTHOR:

Chegodayev, D. D.

SOV/76-33-1-16/45

TITLE:

On the Crystalline State of Polymers (O kristallicheskoy sostoyanii polimerov). I. The Crystallization of Polymers in the Polymerization Process (I. Kristallizatsiya polimerov v protsesse polimerizatsii)

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 1, pp 96 - 99 (USSR)

ABSTRACT:

In the production process of polymers the crystallization degree (cd) of the polymers is of special importance. Depending on conditions, up to 93-97% crystalline polytetrafluoroethylene may be obtained (Ref 1). Polytrifluoroethene also polymerizes up to 90% in a crystalline form in an aqueous medium, the elementary particles being spherules (diameter 0.2 μ). Crystalline particles may also be formed in the production of polyethylene by the Ziegler (Tsigler) method. Crystalline samples with a lower cd, though, may also be obtained from a melt of polymers on pressing and tabletting, respectively. The higher the molecular weight of the polymer is the lower the cd is

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